

BEST AVAILABLE COPY

2

Docket No. G-046US021PCT
Serial No. 09/762,311In the Claims

1-49. (Canceled)

50. (Currently Amended) A composition comprising: an isolated, purified, or recombinant polynucleotide which encodes a polypeptide comprising a contiguous span of at least 6 amino acids of SEQ ID NO:5 or the complement thereof, provided that said polypeptide is not murine TBC-1.

51-64. (Canceled)

65. (Currently Amended) A composition comprising an isolated, purified, or recombinant human polynucleotide which encodes a polypeptide comprising a contiguous span of at least 6 amino acids of SEQ ID NO:5 or the complement thereof.

66-73. (Canceled)

74. (New) An isolated, purified, or recombinant polynucleotide which: a) encodes a polypeptide comprising SEQ ID NO: 5; b) comprises nucleotides 171 to 3725 of SEQ ID NO: 3; or c) the complement thereof.

75. (New) The isolated, purified, or recombinant polynucleotide according to claim 74 attached to a solid support.

76. (New) The isolated, purified, or recombinant polynucleotide according to claim 75, wherein said polynucleotide encodes a polypeptide comprising SEQ ID NO: 5.

77. (New) The isolated, purified, or recombinant polynucleotide according to claim 75, wherein said polynucleotide comprises nucleotides 171 to 3725 of SEQ ID NO: 3.

J:\G:\N016.US02.PCT\Amend-Resp\AF-Response.doc\DNH/s1

3

Docket No. G-046US02PCT

Serial No. 09/762,311

78. (New) The isolated, purified, or recombinant polynucleotide according to claim 74, wherein said polynucleotide encodes a polypeptide comprising SEQ ID NO: 5.

79. (New) The isolated, purified, or recombinant polynucleotide according to claim 74, wherein said polynucleotide comprises nucleotides 171 to 3725 of SEQ ID NO: 3.

80. (New) An array of polynucleotides comprising at least one isolated, purified, or recombinant polynucleotide which: a) encodes a polypeptide comprising SEQ ID NO: 5; b) comprises nucleotides 171 to 3725 of SEQ ID NO: 3; or c) the complement thereof.

81. (New) The array according to claim 80, wherein said polynucleotide encodes a polypeptide comprising SEQ ID NO: 5.

82. (New) The array according to claim 80, wherein said polynucleotide comprises nucleotides 171 to 3725 of SEQ ID NO: 3.

83. (New) The array according to claim 80, wherein said array is addressable.

84. (New) The array according to claim 81, wherein said array is addressable.

85. (New) The array according to claim 82, wherein said array is addressable.

86. (New) The isolated, purified, or recombinant polynucleotide according to claim 76, further comprising a label.

87. (New) The isolated, purified, or recombinant polynucleotide according to claim 77, further comprising a label.

4

Docket No. G-046US02PC1

Serial No. 09/762,311

88. (New) A composition comprising: a recombinant vector comprising a polynucleotide which: a) encodes a polypeptide comprising SEQ ID NO: 5; b) comprises nucleotides 171 to 3725 of SEQ ID NO: 3; or c) the complement thereof.

89. (New) The composition according to claim 88, wherein said recombinant vector comprises a polynucleotide which encodes a polypeptide comprising SEQ ID NO: 5.

90. (New) The composition according to claim 88, wherein said recombinant vector comprises nucleotides 171 to 3725 of SEQ ID NO: 3.

91. (New) A composition comprising: a host cell comprising a recombinant vector comprising a polynucleotide which: a) encodes a polypeptide comprising SEQ ID NO: 5; b) comprises nucleotides 171 to 3725 of SEQ ID NO: 3; or c) the complement thereof.

92. (New) The composition according to claim 91, wherein said recombinant vector comprises a polynucleotide which encodes a polypeptide comprising SEQ ID NO: 5.

93. (New) The composition according to claim 91, wherein said recombinant vector comprises nucleotides 171 to 3725 of SEQ ID NO: 3.

94. (New) A method of making a TBC-1 polypeptide comprising the steps of:

- (i) obtaining a host cell comprising a recombinant vector comprising a polynucleotide which: a) encodes a polypeptide comprising SEQ ID NO: 5 or b) comprises nucleotides 171 to 3725 of SEQ ID NO: 3.
- (ii) growing said cell under conditions suitable to produce said polypeptide.

95. (New) The method according to claim 94, wherein said recombinant vector comprises a polynucleotide which encodes a polypeptide comprising SEQ ID NO: 5.

5

Docket No. G-046US02PCT
Serial No. 09/762,311

96. (New) The method according to claim 94, wherein said recombinant vector comprises nucleotides 171 to 3725 of SEQ ID NO: 3.

97. (New) The method according to claim 95, further comprising the step of purifying or isolating said polypeptide.

98. (New) The method according to claim 96, further comprising the step of purifying or isolating said polypeptide.

J:\GEN046.US02.PCT\Amend-Resp\AF-Response.doc\DNH/s/